

Human CLEC14A ELISA Kit | CLEC14A elisa kit

Human CLEC14A PicoKine ELISA Kit

CATALOG #
AAA125258

REACTIVITY
Human

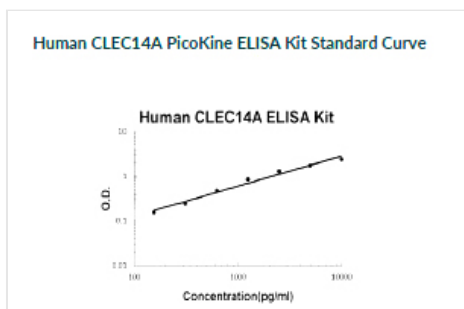
PRODUCT SYNONYMS

CLEC14A; Human CLEC14A PicoKine ELISA Kit; Human CLEC14A; C-type lectin domain containing 14A; C-type lectin domain family 14 member A; Epidermal growth factor receptor 5; EGFR-5; C14orf27; EGFR5; UNQ236; PRO269; CLEC14A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CLEC14A
Sequence Length	490
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLEC14A elisa kit	Principle of the Assay: The Picokine™ Human CLEC14A Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CLEC14A with a 96-well strip plate that is pre-coated with antibody specific for CLEC14A. The detection antibody is a biotinylated antibody specific for CLEC14A. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human CLEC14A with immunogen: Expression system for standard: NSO, Immunogen sequence: E22-A490. The kit is analytically validated with ready to use reagents. To measure Human CLEC14A, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human CLEC14A in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CLEC14A in the sample.!!Background/Introduction: CLEC14A (C-type lectin domain family 14 member A; also EGFR5) is a 51 kDa (predicted) member of the C-type lectin domain family of proteins. This gene is mapped to 14q21.1. This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. This family member plays a role in cell-cell adhesion and angiogenesis. It functions in filopodia formation, cell migration and tube formation. Due to its presence at higher levels in tumor endothelium than in normal tissue endothelium, it is considered to be a candidate for tumor vascular targeting.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28269707
NCBI GeneID	161198
NCBI Accession #	NP_778230.1
NCBI GenBank Nucleotide #	NP_778230.1
UniProt Accession #	Q86T13
NCBI Official Full Name	C-type lectin domain family 14 member A
NCBI Official Synonym Full Names	C-type lectin domain containing 14A
NCBI Official Symbol	CLEC14A
NCBI Official Synonym Symbols	CEG1; EGFR-5; C14orf27
NCBI Protein Information	C-type lectin domain family 14 member A
UniProt Protein Name	C-type lectin domain family 14 member A
UniProt Gene Name	CLEC14A
UniProt Synonym Gene Names	C14orf27; EGFR5; EGFR-5
UniProt Entry Name	CLC14_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.